

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A method for identifying ~~a compound having *in vivo*~~ antioxidant activity of a compound, said method comprising the steps of:
 - (a) ~~administering a the compound to~~ providing a first homozygous transgenic mouse in which the genes encoding Manganese Superoxide Dismutase (MnSOD) have been inactivated;
 - (b) providing a second homozygous transgenic mouse in which the genes encoding Manganese Superoxide Dismutase (MnSOD) have been inactivated of the same age as the first homozygous mouse;
 - (c) administering the compound to said first and second mice;
 - (d) determining lifespans of the first and second mice; and ~~mouse to which the compound was administered and the mouse to which the compound was not administered;~~
 - (e)(d) identifying a *in vivo* antioxidant activity of the compound having ~~antioxidant activity where the lifespan of the mouse to which the compound has been administered is longer than that of the mouse to which the compound has not been administered.~~

2. (currently amended) The method of claim 1 wherein said homozygous transgenic mouse is a ~~SodCJE(-/-)~~ Sod2CJE(-/-) or a Sod2m1BCM(-/-) mouse.
- 3-8 (canceled).
9. (currently amended) The method of claim 2 wherein the homozygous transgenic mouse is mice are about 3 days of age when the compound is first administered.
- 10-17. (canceled).